



Docket No.: 066765-0110

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Loeb, Lawrence A., et al.

Customer No.: 41552

Appl. No. : 09/972,834

Confirmation No.: 5445

Filed : October 04, 2001

Title : THERMOSTABLE POLYMERASES
HAVING ALTERED FIDELITY
AND METHODS OF IDENTIFYING
AND USING SAME

Grp./A.U. : 1637

Examiner: : FREDMAN, Jeffrey Norman

TERMINAL DISCLAIMER

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The owner, University of Washington, of the entire right, title and interest in the above-identified application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the above-identified application that would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. §§ 154-156 & 173, as presently shortened by any terminal disclaimer, of prior U.S. Patent No. 6,395,524.

The owner hereby agrees that any patent so granted on the above-identified application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the above-identified application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the above-identified application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. §§ 154-156 & 173 of the prior patent, as presently shortened by any terminal disclaimer, in the event that it later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in

whole or terminally disclaimed under 37 C.F.R. § 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

I am empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: Feb 25 05

Signature:



Name:

Gail Y. Herman

Title:

Licensing Officer

The University of Washington

~~1107 Northeast 45th Street, Suite 200~~

Seattle, Washington 98105

4311 11th Ave NE, SUITE 500



SEPTEMBER 02 1998



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

PTAS

CAMPBELL & FLORES LLP
CATHRYN CAMPBELL
4370 LA JOLLA VILLAGE DRIVE, SUITE 700
SAN DIEGO, CA 92122



100749961A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION
OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/18/1998

REEL/FRAME: 9263/0095
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:
LOEB, LAWRENCE A.

DOC DATE: 04/13/1998

ASSIGNEE:
HOOD, LEROY

DOC DATE: 03/18/1998

ASSIGNEE:
SUZUKI, MOTOSHI

DOC DATE: 03/20/1998

ASSIGNEE:
WASHINGTON, UNIVERSITY OF
OFFICE OF TECHNOLOGY TRANSFER
1107 NE 45TH STREET
SEATTLE, WASHINGTON 98105

SERIAL NUMBER: 08978806
PATENT NUMBER:

FILING DATE: 11/26/1997
ISSUE DATE:

SEP 11 1998

6/18/98

06-30-1998



Ref. No. P-UW-2873

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

JUN 22 1998

Tab settings ➡ ➡ ➡ ➡ ➡

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (a) Lawrence A. Loeb
(b) Leroy Hood
(c) Motoshi Suzuki



Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: (a) 4/13/98; (b) 3/18/98; (c) 3/20/98

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/978,806

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Cathryn Campbell

Internal Address: CAMPBELL & FLORES LLP

Street Address: 4370 La Jolla Village Drive, Suite 700

City: San Diego State: CA ZIP: 92122

06/29/1998 DATES 00000233 08978806

40.00 0P

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David A. Gay, Reg. No. 39,200

June 18, 1998

Name of Person Signing

Signature

Total number of pages including cover sheet, attachments, and document:

4

Date

Co-Inventor's ASSIGNMENT of PATENT(S) to the
UNIVERSITY OF WASHINGTON

WHEREAS, I, Lawrence A. Loeb (hereinafter referred to as ASSIGNOR) having a post office address of 13808 Northeast 36th Place, Bellevue, WA 98005 , am a co-inventor in the INVENTION(S) referred to as "Thermostable Polymerases Having Altered Fidelity and Methods of Identifying and Using Same" as described and claimed in a specification for which a U.S. PATENT application is in process assigned Serial No. 08/978,806 and filing date of November 26, 1997.

WHEREAS, the UNIVERSITY OF WASHINGTON, (hereinafter referred to as ASSIGNEE), a public institution of higher education having a place of business at Seattle, Washington is desirous of acquiring the ASSIGNOR'S entire right, title and interest in and to the INVENTION(S) and in and to any letters PATENT(S) that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, for sufficient, good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto ASSIGNEE the ASSIGNOR'S entire right and title to and interest in said application and said INVENTION(S) for the United States of America and its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all letters PATENT(S)which may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to claim priority rights deriving from said United States application by virtue of the International Convention, said INVENTION(S) and all applications and PATENT(S) on said INVENTION(S) to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by ASSIGNOR had this sale, assignment and transfer not been made. ASSIGNOR hereby authorizes and requests the Commissioner of PATENT(S) and Trademarks to issue all letters PATENT(S) on said INVENTION(S) to ASSIGNEE. ASSIGNOR hereby further agrees and promises to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said INVENTION(S), to enforce any and all PATENT(S) on said INVENTION(S), and to confirm in ASSIGNEE legal title to said INVENTION(S) and all applications and PATENT(S) on said INVENTION(S), all without charge to ASSIGNEE but at no expense to ASSIGNOR.

Dr. Lawrence Loeb
Lawrence A. Loeb

4-13-98

Date

STATE OF WASHINGTON)
) ss
County of King)

On this 13th day of April 1998, Lawrence A. Loeb personally appeared before me and executed the foregoing document.

Richard J. Lund
Notary Public in and for the State of Washington

Residing at: Seattle

My Commission expires: Nov 8, 2000



**Co-Inventor's ASSIGNMENT of PATENT(S) to the
UNIVERSITY OF WASHINGTON**

WHEREAS, I, Leroy Hood (hereinafter referred to as ASSIGNOR) having a post office address of 6411 NE Windermere Road, Seattle, WA 98105 , am a co-inventor in the INVENTION(S) referred to as "Thermostable Polymerases Having Altered Fidelity and Methods of Identifying and Using Same" as described and claimed in a specification for which a U.S. PATENT application is in process assigned Serial No. 08/978,806 and filing date of November 26, 1997.

WHEREAS, the UNIVERSITY OF WASHINGTON, (hereinafter referred to as ASSIGNEE), a public institution of higher education having a place of business at Seattle, Washington is desirous of acquiring the ASSIGNOR'S entire right, title and interest in and to the INVENTION(S) and in and to any letters PATENT(S) that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, for sufficient, good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto ASSIGNEE the ASSIGNOR'S entire right and title to and interest in said application and said INVENTION(S) for the United States of America and its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all letters PATENT(S) which may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to claim priority rights deriving from said United States application by virtue of the International Convention, said INVENTION(S) and all applications and PATENT(S) on said INVENTION(S) to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by ASSIGNOR had this sale, assignment and transfer not been made. ASSIGNOR hereby authorizes and requests the Commissioner of PATENT(S) and Trademarks to issue all letters PATENT(S) on said INVENTION(S) to ASSIGNEE. ASSIGNOR hereby further agrees and promises to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said INVENTION(S), to enforce any and all PATENT(S) on said INVENTION(S), and to confirm in ASSIGNEE legal title to said INVENTION(S) and all applications and PATENT(S) on said INVENTION(S), all without charge to ASSIGNEE but at no expense to ASSIGNOR.

Leroy Hood
Leroy Hood

3/18/98
Date

STATE OF WASHINGTON)

; ss

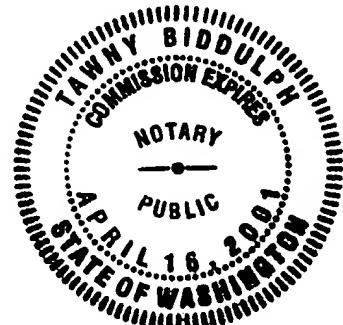
County of King)

On this 18th day of March 1998, Leroy Hood personally appeared before me and executed the foregoing document.

Tawny Beddulph
Notary Public in and for the State of Washington

Residing at: Seattle, WA

My Commission expires: 04/16/01

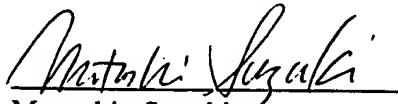


**Co-Inventor's ASSIGNMENT of PATENT(S) to the
UNIVERSITY OF WASHINGTON**

WHEREAS, I, Motoshi Suzuki (hereinafter referred to as ASSIGNOR) having a post office address of Aban Raflare Shiga 7-902 Japan, am a co-inventor in the INVENTION(S) referred to as "Thermostable Polymerases Having Altered Fidelity and Methods of Identifying and Using Same" as described and claimed in a specification for which a U.S. PATENT application is in process assigned Serial No. 08/978,806 and filing date of November 26, 1997.

WHEREAS, the UNIVERSITY OF WASHINGTON, (hereinafter referred to as ASSIGNEE), a public institution of higher education having a place of business at Seattle, Washington is desirous of acquiring the ASSIGNOR'S entire right, title and interest in and to the INVENTION(S) and in and to any letters PATENT(S) that may be granted therefor in the United States and in any and all foreign countries;

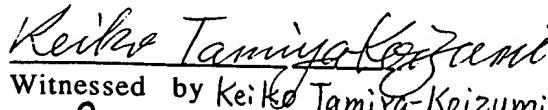
NOW, THEREFORE, for sufficient, good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto ASSIGNEE the ASSIGNOR'S entire right and title to and interest in said application and said INVENTION(S) for the United States of America and its territorial possessions and all foreign countries; and the entire right, title and interest in and to any and all letters PATENT(S) which may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to claim priority rights deriving from said United States application by virtue of the International Convention, said INVENTION(S) and all applications and PATENT(S) on said INVENTION(S) to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by ASSIGNOR had this sale, assignment and transfer not been made. ASSIGNOR hereby authorizes and requests the Commissioner of PATENT(S) and Trademarks to issue all letters PATENT(S) on said INVENTION(S) to ASSIGNEE. ASSIGNOR hereby further agrees and promises to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said INVENTION(S), to enforce any and all PATENT(S) on said INVENTION(S), and to confirm in ASSIGNEE legal title to said INVENTION(S) and all applications and PATENT(S) on said INVENTION(S), all without charge to ASSIGNEE but at no expense to ASSIGNOR.


Motoshi Suzuki

3/20/98

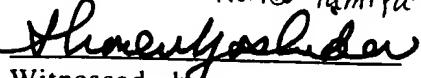
Date

On this 20th day of March 1998, Motoshi Suzuki personally appeared before us and executed the foregoing document.


Witnessed by Keiko Tamiya-Koizumi

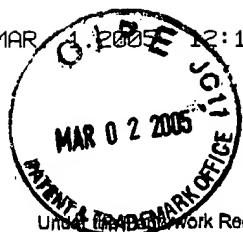
3/20/98

Date


Witnessed by
SHONEN YOSHIDA

March 20 1998

Date



PTO/SB/96 (06-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: The University of WashingtonApplication No./Patent No: 09/972,834 Filed/Issue Date: October 04, 2001Entitled: USING SAME
THERMOSTABLE POLYMERASES HAVING ALTERED FIDELITY AND METHODS OF IDENTIFYING AND

The University of Washington , a Non-Profit Organization

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the Inventor(s) of the patent application/patent Identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 009263, Frame 0095, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
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2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel ___, Frame ___, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel ___, Frame ___, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Gail Herman
Signature
Printed or Typed Name
Licensing Officer
Title

3/01/2005
Date
(206) 543-3970
Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.